Ŵ٥	ŕk	Ord	ler	ID	61308	3
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Monday, August 16, 2010 12:46:33 PM





Page 1

Item ID:

D412-742-011

Accept



Setup Start

Stop



**Revision ID:** 

Float Skidtube Installation Item Name:

**Start Date:** 

8/17/2010

Start Qty: 1.00

Req'd Qty: 1.00



Date:

**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

Required Date: 8/20/2010

Process Plan: MF

Description

Date: 10-8-16 Tooling:

SPC (Y/N):

Date:

Date:

Start Run

Stop

Sequence ID/ Work Center ID Operation

Set Up/ **Run Hours** 

Tool ID

Tool # Plan Code

Accept Qty

Reject Qty

Reject Insp. Number Stamp

Draw Nbr

**Revision Nbr** 

IIN-D412-742

D

100

Document Control

DOCUMENT CONTROL

Memo

0.00

0.00

Photocopy bluefile and create labels per PPP D412-742-011 CHG006

110

Pick Kit

0.00

Packaging Packaging

Memo

0.00

120

QC4-100% Inspect kits for completeness

0.00

0.00

8 wolady

Memo

**Quality Control** 

W/O:		WORK ORDER CHANGES										
DATE	STEP	PRO	PROCEDURE CHANGE				Approval Chief Eng / Prod Mgr	Approval QC Inspector				
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Part No		PAR #:	Fault Ca	tegory:	NCR: Yes	No DQA:	Date: _					
Resolution:			Disposit	ion:	_ QA: N/C Cld	sed:	Date: _					
NCR:		,	WORK OR	DER NON-CONFORMA	NCE (NCR	)						
DATE	STEP	Description of NC	1 22 1	Corrective Action Section		Verification	Approval	Approval				
<i>5</i> /(12	0.2.	Section A	Initial Chief Eng	Action Description  Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector				
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#### Work Order ID 61308

Monday, August 16, 2010 12:46:33 PM



Page 2

Item ID:

D412-742-011

Accept

Setup Start



**Revision ID:** 

Item Name:

Required Date: 8/20/2010

Float Skidtube Installation

**Start Date:** 

8/17/2010

Start Qty: 1.00

Req'd Qty: 1.00



**Cust Item ID: Customer:** 

Tool ID

Reference:

**Approvals:** 

Process Plan:

Date: \_\_\_\_\_

Date: **Tooling:** 

SPC (Y/N):

Set Up/

**Run Hours** 

Date:

Date:

Tool # Plan

Code

Start

Reject

Qty

Sequence ID/

**Work Center ID** 

130

Packaging

Packaging

Packaging

Operation

Description

Memo

Identify and pack for shipping as per PPPD412-742-011

Location:

Keoc

0.00

0.00

140

QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

Run

Accept

Qty

Stop

Stop

Reject Insp.

Number Stamp

10/08/23/45 -MF 10-8-20

W/O:			WORK ORDER CHANGES									
DATE	STEP	PRO	PROCEDURE CHANGE				Qty	Approval Chief Eng /	Approval QC Inspector			
								Prod Mgr				
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Part No:		PAR #:	Fault Cate	gory:	NCR: Yes	No DQA:	l	_ Date: _				
			Disposition	QA: N/C Closed:			Date: _	····				
NCR:		1	WORK ORDE	ER NON-CONFORMA	NCE (NCR	)						
D.4.T.F.	0750	Description of NC	Description of NC		Corrective Action Section B			Approval	Approval			
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C		Chief Eng	QC Inspector			
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# **Picklist Print** Monday, August 16, 2010 12:46:31 PM Work Order ID: 61308 Parent Item: D412-742-011 Parent Item Name: Float Skidtube Installation Comments:

Page 1

Start Date: 8/17/2010

**Required Date: 8/20/2010** 

Start Qty: 1.00

Required Qty: 1.00

IPP Rev: A□05.10.13□New Issue□KJ/JLM□

06-06-08 As per DSI9336 JLM IPP Rev:B IPP Rev:C 07-05-28 As per Rev C JLM IPP rev D 07.11.01 ecn 1053P EC

IPP rev E 07.11.27 ecn 1072 EC verified by:DD IPP Rev:F 08-09-08 ecn 08-510 DD verified by:EC IPP Rev:G 09-01-23 as per DSI9441 DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MS21043-3		Purchased	No			100	Each	2,775.000	33.—	13/0	1185	)	
				Location FG ST301	103691		Oty 76 76 2699 2699	Loc Code	- -	3			
AÑ3C37A		Purchased	No	Location		110 <u>Loc</u> (	Each Otv	68.0000	-3	13/6/	185/	)	<del>-</del>
ÁN3C40A		Purchased	No	ST354	114761 114801	110	68 18 50 Each	117.0000		3			
BOLT		Turchased	110			110	Lach	117.0000		5/8/1	e S		

Loc Qty	Loc Code
117	
17	
50	
50	
	<u>Loc Otv</u> 117 17 50

W/O:			ES					
DATE	STEP	PRO	OCEDURE CH	ANGE	Ву	Date Qt	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							Prod Wigi	
						1		
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Part No:		PAR #:	Fault Cate	egory:	_ NCR: Yes N	lo DQA: _	Date: _	
Resolution:			Disposition	on:	_ QA: N/C Clo	sed:	Date:	
NCR:			WORK ORE	ER NON-CONFORMA	ANCE (NCR)			
DATE	STEP	Description of NC Corrective Action			ion B	Verificatio	cation Approval	Approval
DATE	SIEP	Section A	Initial Action Descri Chief Eng Chief Eng		Sign & Date	Section C	Chief Eng	QC Inspector
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Monday, August 16, 2010 12:46:31 PM

Work Order ID: 61308

D412-742-011

Parent Item:

Parent Item Name: Float Skidtube Installation



Start Date: 8/17/2010

**Required Date: 8/20/2010** 

Start Qty: 1.00

Required Qty: 1.00

AN3C41A BOLT

Purchased

No

110

101.0000

Each

AN3C42A

Purchased

No

Location Loc Qty FG 103324 ST354 97 65 115316 32 110

Each

114.0000

Loc Code

BOLT

AN3C43Ã
DOLT.

Purchased

No

Location Loc Qty ST354 114 106169 14 106176 100 Each

110

119.0000

Loc Code

ÃN3C44A	
BOLT	

Purchased No

Location

114330

ST354

Loc Qty 119 19 114433 50 114455 50 110 Each

146.0000

Loc Code

Location Loc Qty Loc Code ST355 146 .106187 46 110848 100

W/O:			WO	RK ORDER CHANGE	S		_	
DATE	STEP	PRO	OCEDURE CHAI	IGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
-							, realing.	
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			-					
Part No	<b>:</b>	PAR #:	Fault Cate	jory:	NCR: Yes	No <b>DQA</b> :	Date:	
	Re	esolution:	Disposition	:	QA: N/C Closed: Date:			
NCR:			WORK ORDE	R NON-CONFORMAN	ICE (NCR	) .		
DATE	STEP	Description of NC	Initial	Corrective Action Section Action Description	B Sign &	Verification		Approval
		Section A	Chief Eng	Chief Eng	Date	Section C	Chief Eng	QC Inspector
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Picklist	Prin
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Monday, August 16, 2010 12:46:32 PM

Page 3

Work Order ID: 61308

' Parent Item:

D412-742-011

Parent Item Name: Float Skidtube Installation



Location

Location

115231

ST361

ST355

**Start Date: 8/17/2010** 

**Required Date: 8/20/2010** 

Start Qty: 1.00

Required Qty: 1.00

No

Purchased

Each

82.0000

FAN4C47A

Bolt

Purchased

No

Loc Qty 82 106171 33 110847 49 110

110

Each 91.0000

Loc Code

Loc Code

	•
	ÁÑ4C52A
١	
	BOLT

Purchased

No

Loc Qty 91 41 50 110 Each

144.0000

٠	
N4C6A	Purchased
18818/1 181381 8/1 8188881 1118 811811 (61 168)	

No

Location Loc Qty ST361 144 112641 50 113121 44 114784 50 110 Each

347.0000

Loc Code

Locatio	<u>n</u>	Loc Qty	Loc Code
FG		4	
	103344	4	
ST356		343	
	113121	143	
	115016	200	

W/O:			W	ORK ORDER CHANG	ES			
DATE	STEP	PRO	PROCEDURE CHANGE			Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Cate	egory:	_ <b>NCR</b> : Yes N	lo DQA:	Date: _	
	R	esolution:					Date: _	
NCR:		•	WORK ORD	ER NON-CONFORMA	NCE (NCR)			:
DATE	STEP	Description of NC		Corrective Action Section			Approval	Approval
DAIL	JILI	Section A	Initial Chief Eng	Action Description  Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
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Monday, August 16, 2010 12:46:32 PM

Work Order ID: 61308

Parent Item:

D412-742-011

Parent Item Name: Float Skidtube Installation



Start Date: 8/17/2010

**Required Date: 8/20/2010** 

Start Qty: 1.00

Required Qty: 1.00



Bolt

Purchased

Each

464.0000

_AN6C12A	
	II
DOI T	

Purchased

No

No

Location

ST356

Loc Qty 464 464 110 Each

110

72.0000

Loc Code

BOLT

AN960C10L

NAS1149C0332

Purchased

Purchased

No

No

Location Loc Qty Loc Code ST342 72 110396 22 114442 50 110 Each 29.0000



Location Loc Oty Loc Code ST245

110

29 107534 29

Each 532.0000

M115000



Location	Loc Qty	Loc Code
FG	44	
104925	44	
ST346	488	
106785	10	
107008	10	
112794	27	
112828	400	
69220	41	

W/O:			WO	RK ORDER CHANGI	ES			
DATE	STEP	PRO	PROCEDURE CHANGE			Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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							:	
Part No	•	PAR #:	Fault Cate	jory:	NCR: Yes	No <b>DQA</b> :	Date: _	
		esolution:						
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NCR	)		
DATE	STEP	Description of NC		Corrective Action Section	on B	Verification	n Approval	Approval
	0.2.	Section A	Initial Chief Eng	Action Description Chief Eng	Date	Section C	Chief Eng	QC Inspector

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Monday, August 16, 2010 12:46:32 PM

Work Order ID: 61308

D412-742-011

Parent Item:

Parent Item Name: Float Skidtube Installation



**Start Date: 8/17/2010** Start Qty: 1.00

**Required Date: 8/20/2010** 

Required Qty: 1.00

Purchased

No

Location

ST347

110

180.0000 Each

-D2571



Manufactured

Manufactured

No

Loc Qty 180 180 110 Each

Loc Code

22.0000

Loc Code

Loc Code

Saddle, Fwd In 205

<b>Location</b>	Loc Oty	
ST425		7
43564		3
47564		4
ST433		15
58250		3
59298		3
59849		9
	110	Each

12.0000

<u>Location</u>		Loc Qty
ST425		3
	43565	3
ST433		9
	59850	9

W/O:			W	ORK ORDER CHANGI	ES			
DATE	STEP	PRO	OCEDURE CHA	ANGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			-				Prod Mgr	
Part No		PAR #:	Fault Cate	egory:	NCR: Yes 1	No DQA:	Date: _	
	R	esolution:	Disposition	on:	_ QA: N/C Clo	sed:	Date: _	<del>.</del>
NCR:			WORK ORE	ER NON-CONFORMA	NCE (NCR)			
DATE	OTED	Description of NC		Corrective Action Section		Sign & Section C Approval Chief Eng		Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng				QC Inspector
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		,						
	1		1					

, Monday, August 16, 2010 12:46:32 PM

Work Order ID: 61308

Parent Item:

D412-742-011

Parent Item Name: Float Skidtube Installation



**Start Date: 8/17/2010** 

Required Date: 8/20/2010

Start Qty: 1.00

Required Qty: 1.00

D2573

Manufactured

No

110

Each

29.0000

Loc Code

25.0000

Loc Code

Saddle, Aft In 205

Manufactured

No

<u>Location</u>	<u>Lo</u>	c Oty
ST425		7
43566		3
47566		4
ST434		22
59881		10
60706		12
	110	Each

Ď2747

Manufactured No

Loc Qty	
	3
	3
	22
	10
	12
110	Each

121.0000

Location	Loc Qty
ST023	121
39224	4
51921	17
59879	100

Loc Code

DATE STEP PROCEDURE CHANGE By Date Qty Approval Chief Eng / Prod Mgr	Approval QC Inspector
Trockings	
Part No: PAR #: Fault Category: NCR: Yes No DQA: Date:	
Resolution: Disposition: QA: N/C Closed: Date:	
NCR: WORK ORDER NON-CONFORMANCE (NCR)	
DATE STEP Description of NC Corrective Action Section B Verification Approval	Approval
DATE STEP Section A Section A Section A Section C Chief Eng Chief	QC Inspector

Monday, August 16, 2010 12:46:32 PM

Work Order ID: 61308

Parent Item:

D412-742-011

Parent Item Name: Float Skidtube Installation



60853

51540

**Start Date: 8/17/2010** 

**Required Date: 8/20/2010** 

Start Qty: 1.00

Required Qty: 1.00

D2876 Saddle Spacer

Manufactured

No

Location

ST026

ST028

110

92.0000

D2877

Saddle Spacer

Manufactured

No

Loc Oty Loc Code 49 49 43 43 110 Each

Each

62.0000

Loc Code

D3403-1

Bushing

Bushing

Ð3403-3

Manufactured No

Manufactured

No

Location Loc Qty ST026 24 60854 24 ST028 38 58531 38 110 Each

61.0000

Location Loc Qty Loc Code ST055 61 61 110 Each 51.0000

Loc Qty Location Loc Code ST053 30 59598 30 ST055 21 21 56857

W/O:			W	ORK ORDER CHANG	ES	· · · · · · · · · · · · · · · · · · ·			
DATE	STEP	PRO	PROCEDURE CHANGE						Approval QC Inspector
								Prod Mgr	
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Part No		PAR #:	Fault Cate	egory:	_ NCR: Yes	No DQ	)A:	Date: _	
	R	esolution:	Disposition	on:	_ QA: N/C CI	osed:		Date: _	
NCR:		\	WORK ORE	PER NON-CONFORMA	ANCE (NCR	3)			
DATE	STEP	Description of NC	La		ion B		ication	Approval	Approval
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Work Order ID: 61308

Parent Item:

D412-742-011

Parent Item Name: Float Skidtube Installation



Start Date: 8/17/2010

Required Date: 8/20/2010

Start Qty: 1.00

Required Qty: 1.00

27.0000

Loc Code

Loc Code

D3405-041

Lug Assembly

Manufactured

No

No

Manufactured No Location Loc Qty ST474 27 9 60204 14 61061 110

110

Each

Each

15.0000

Lug Assembly



Manufactured

Location Lee Oty ST474 15 53888 1 59629 2 60496 12 110

Each

21.0000

Tow Ring

D3417-3	
Washer	

Manufactured No Location Loc Qty ST464 21 9 59632 12 110

Each

114.0000

Loc Code

Location Loc Qty Loc Code ST056 114 44349 33 51648 28 53182 53

W/O:			WC	RK ORDER CHANG	ES				
DATE	STEP	PRO	PROCEDURE CHANGE						Approval QC Inspector
								Prod Mgr	,
		·							
Part No	•	PAR #:	Fault Cate	gory:	_ NCR: Yes	No <b>DQ</b>	A:	Date:	
		esolution:							
NCR:		,	WORK ORDI	ER NON-CONFORMA	ANCE (NC	R)			
DATE	STEP	Description of NC			ion B	Verifi	cation	Approval	Approval
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date		ion C	Chief Eng	QC Inspector
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, Monday, August 16, 2010 12:46:32 PM

Work Order ID: 61308

Parent Item:

D412-742-011

Parent Item Name: Float Skidtube Installation



Start Date: 8/17/2010

Required Date: 8/20/2010

Start Qty: 1.00

Required Qty: 1.00

D3456-1

Manufactured

110

43.0000

D3533-1

Set Screw

Manufactured

Location ST058

Location

ST069

54692

Loc Qty 43 43 110 Each

Loc Qty

77 77

Each

Each

Each

77.0000

Loc Code

Phenolic Washer

Manufactured No

110

110

904.0000

Loc Code

16

'D3672-3

Phenolic Washer

Manufactured No Location ST077

Location

ST077

58046

Loc Qty 904 904

606.0000

Loc Code

Phenolic Washer

Manufactured No 57704

Loc Qty 606 606 110 Each

414

414

414.0000

Loc Code

Location Loc Qty ST077

35523

Loc Code

W/O:			WO	RK ORDER CHANGES	3				
DATE	STEP	PRO	PROCEDURE CHANGE						Approval QC Inspector
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Part No	:	PAR #:	Fault Categ	ory:	NCR: Yes	No <b>DG</b>	A:	_ Date: _	
	Re	esolution:	Disposition	:	QA: N/C C	osed:		Date: _	
NCR:		•	WORK ORDE	R NON-CONFORMAN	ICE (NCF	<b>R</b> )			
DATE	STEP	Description of NC	Initial	Corrective Action Section Action Description	B Sign 8		ication	Approval	Approval
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**Required Date: 8/20/2010** 

Required Qty: 100

, Monday, August 16, 2010 12:46:32 PM

Work Order ID: 61308

Parent Item:

D412-742-011

Parent Item Name: Float Skidtube Installation



D412-742-015

Manufactured

No

110

Each

2.0000

Loc Code

0.0000

Start Date: 8/17/2010 Start Qty: 1.00

Electric Step

CHG 001

Manufactured

Replacement Float Skidtube

MS21043-4

Purchased

No

No

Location Loc Qty FG031A 2 2 56740 110 Each

> 110 Each

1,061.000

Nut

Location		Loc Qty	Loc Code	
FG		40		
	104603	40		
ST301		1021		
	112492	25		
	113069	8		-06
	114348	188		d
-	114523	500		- ,
	114784	300		

W/O:			W	ORK ORDER CHANGES					
DATE	STEP	PROC	EDURE CHA	Ву	Dat	te Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
								Prod Migr	·
4 - 4 - 4 - 1									
r							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Part No	:	PAR #:	_ Fault Cate	egory: N	ICR: Yes	s No	DQA:	Date: _	
	R	esolution:	_ Disposition	on: G	A: N/C	Closed	:	Date: _	
NCR:		W	ORK ORD	ER NON-CONFORMANO	CE (NC	R)			
· · · · · · · · · · · · · · · · · · ·	Τ			Corrective Action Section B				1	1
DATE	CTED	Description of NC				v	erification	Approval	Approval
DATE	STEP	Description of NC Section A	Initial Chief Eng	Action Description  Chief Eng	Sign Dat	&	erification Section C	Approval Chief Eng	Approval QC Inspector
DATE	STEP	Description of NC Section A		Action Description	Sign	&		Approval Chief Eng	Approval QC Inspector
DATE	STEP	Section A		Action Description	Sign	&		Approval Chief Eng	Approval QC Inspector
DATE	STEP	Section A		Action Description	Sign	&		Approval Chief Eng	Approval QC Inspector
DATE	STEP	Section A		Action Description	Sign	&		Approval Chief Eng	Approval QC Inspector
DATE	STEP	Section A		Action Description	Sign	&		Approval Chief Eng	Approval QC Inspector
DATE	STEP	Section A		Action Description	Sign	&		Approval Chief Eng	Approval QC Inspector
DATE	STEP	Section A		Action Description	Sign	&		Approval Chief Eng	Approval QC Inspector
DATE	STEP	Section A		Action Description	Sign	&		Approval Chief Eng	Approval QC Inspector
DATE	STEP	Section A		Action Description	Sign	&		Approval Chief Eng	Approval QC Inspector

#### 5.0 **PARTS LIST**

#### 5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List

		-041	-015		Description
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION
	_1_	X		D412-742-041	FLOAT SKIDTUBE
	1		Х	D412-742-015 -	ELECTRIC STEP KIT
				ý	
		1		D3391-041	412 FLOAT SKIDTUBE
1		*24		*AN3C4A	*BOLT
3		*12		*AN3C6A	*BOLT
4		*8		*AN3C7A	*BOLT
5		*44		*AN960C10L	*WASHER
6		*4		*MS27039C4-12	*SCREW
7A		*4		*D3672-3	*WASHER (REPLACES NAS1515H4L)
7B		*4		*AN960C416L	*WASHER
21A		*1		*D3564-1	*WEARSHOE (REPLACES D3460-1)
21B		*1		*D3566-1	*GASKET
22A		*1		*D3564-3	*WEARSHOE (REPLACES D3460-3)
22B		*1		*D3566-1	*GASKET
23A		*1		*D3564-5	*WEARSHOE (REPLACES D2577-5)
23B		*1		*D3566-5	*GASKET
10		*1		*D3391-011	*412 FORWARD TUBE
11		**1		**D3401-041	**TOW CAP
12A		**10		**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB166)
12B		**2		**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB166)
13		**10		**AN3C4A	**BOLT
14A		**4		**D3672-1	**WASHER (REPLACES NAS1515H3L)
14B		**10		**AN960C10L	**WASHER
24A		**1		**D3564-13	**WEARSHOE
24B		**1		**D3566-13	**GASKET
				+50004 040	
20		*1		*D3391-013	*412 MID TUBE
28		**24		**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB116)
30		*1		*D3391-015	*412 AFT TUBE
25A		**1		**D3537-1	**WEARPAD
25B		**1		**D3553-1	**GASKET
26A		**1		**D3537-7	**WEARPAD
26B		**1		**D3553-3	**GASKET
31		**1		**D2646	**AFT CAP
32	1	**14		**AELS-1032-130	**INSERT
36		**12		**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB366)
37A		**6		**AN3C4A	**BOLT
37B		**4		**AN3C5A	**BOLT
38A		**2		**D3672-1	**WASHER (REPLACES NAS1515H3L)
38B	1	**10		**AN960C10L	**WASHER
39		**4		**ALS4-428-165	**INSERT (REPLACES NAS1330S4KB151)

(CONTINUED ON PAGE 17)

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Revision: **D** 

Date: 07.10.04

(CONTINUED FROM PAGE 16)

		_		(CONTINUED FROM	TI AOL 10/
Item	Qty 011	Qty -041	Qty -015	Part Number	Description
40	1			D2571	SADDLE, FWD OUTSIDE
41	. 1			D2572	SADDLE, FWD INSIDE
42	1			D2573 -	SADDLE, AFT OUTSIDE
43	1			D2574	SADDLE, AFT INSIDE
44	? 2	1		D2876 ·	SADDLE SPACER
45	? 2			D2877	SADDLE SPACER
46	<sup>-</sup> 16			D3403-1	BUSHING
47A	4			D2747 -	SET SCREW
47B	2			D3533-1	SET SCREW
48	16			AN4C6A	BOLT
49	8			AN4C52A	BOLT
50	8			AN6C12A	BOLT
51A	/ 32			D3672-3	WASHER (REPLACES NAS1515H4L)
51B	32			AN960C416L	WASHER
52A	8			D3672-9	WASHER (REPLACES NAS1515H6L)
52B	. 8			AN960C616L 3	WASHER
53	<sup>15</sup> 16			D3672-11	WASHER (REPLACES NAS1515H7L)
54	24			MS21043-4	NUT
55	. 4			AN4C7A	BOLT
60	` 8			D3403-3	BUSHING
61	1 1		-	D3405-041	<u> </u>
62	/1	ļ	-	D3405-041	GHW LUG
63	4		ļ	AN4C46A	BOLT
64	. 4		<u> </u>	MS21043-4	NUT
04				IVISZ 1043-4	NUI
70	′ 1			D3407-041 -	TOW RING
71	· 2			D3417-3	WASHER
72	. 1			MS21043-4	NUT
73	<u>- 1</u>			D3456-1	WASHER
80			1	D2913	DOUBLER
81		***4	<u> </u>	***ALS4-428-165	***INSERT (REPLACES NAS1329S4KB140)
82		***4		***AELS-1032-130	***INSERT (REPLACES NAS1330S3KB116)
83			2	MS21043-4	NUT
84			2	MS24693-C272	SCREW
85			1	MS35489-35	GROMMET
86	· · · · · · · · · · · · · · · · · · ·		1	MS35489-93	GROMMET
87		***4	<del>-</del>	***MS27039C1-09	***SCREW
88		***4		***MS27039C4-08	***SCREW
89A		***4	2	***D3672-1	***WASHER (REPLACES NAS1515H3L)
89B		***4	2	***AN960C10L	***WASHER
90A		***4		***D3672-3	***WASHER (REPLACES NAS1515H4L)
90B		***4		***AN960C416L	***WASHER
91	′3			AN3C37A ***	BOLT
92	, 2			AN3C40A	BOLT
93	3			AN3C41A	BOLT
94	3			AN3C42A ***	BOLT
95	<u>/ 3</u>			AN3C43A	BOLT
96	` 9			AN3C44A	BOLT
98	, 10			AN3C47A	BOLT
99	66			AN960C10L	WASHER
100	(33			MS21043-3	NUT

\*DENOTES PART IS INCLUDED WITH D3391-041 ASSEMBLY ABOVE

\*\*DENOTES THAT PART IS INCLUDED ABOVE ASSEMBLY

\*\*\*DENOTES THAT PART IS INCLUDED WITH D3391-013

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## **DART SERVICE INSTRUCTION**

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. D AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-742 REV. 3.

REF. FAA STC: SR01583SE

REF. CANADIAN STC: SH05-37 REFERENCE ONLY

#### **INSTRUCTIONS:**

- 1) FOR D412-742-011/-013 SKIDTUBES @ CHANGE 006 AND SUBSEQUENT, UPDATE THE PARTS LIST TO MODIFY THE BOLT USED TO ATTACH THE GHW LUG AS FOLLOWS:
  - D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List 32.15 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List

ITEM	Qty -011	Qty -041	Qty -015	PART NUMBER	DESCRIPTION
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION
	1	х		D412-742-041	FLOAT SKIDTUBE
	1		Х	D412-742-015	ELECTRIC STEP KIT
			T	4	

IS:

				<del></del> 1		
63	4		AN4C47A 🗸	7	BOLT	
				1		

#### WAS:

			· · · · · · · · · · · · · · · · · · ·	<u> </u>
63	4		AN4C46A	BOLT

5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List 32.16 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

ITEM	Qty -013	Qty 043	PART NUMBER	DESCRIPTION	
	Х		D412-742-013	FLOAT SKIDTUBE INSTALLATION	
	1	Х	D412-742-043	FLOAT SKIDTUBE	
			I		

#### IS:

63	4	AN4Ċ47A	BOLT

#### WAS:

		Γ		
63	4	AN4C46A		BOLT
			1	

Α	NEW IS	SSUE	AJS	08.12.19			
REV.			DESCRIPTION	BY	DATE		
DESIGN AJS		AJS	DART AEROSPACE USA, INC				
DRAWN		AIS	PORT HADLOCK		•		
CHECKED			DRAWING NO.		REV. A		
MFG. APPR.		N/A	DSI 9441 SHEET 1		HEET 1 OF 1		
APPROVED		WI	TITLE		SCALE		
DE APPR.		di	BOLT CHANGE		NTS		
DATE	08.1	2.19	COPYRIGHT © 2008 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT				